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MEMORANDUM

DATE: JUL 20 1992

SUBJECT: Review of Remedial Design (RD) Work Plan
Medley Farm Superfund Site, Gaffney, South Carolina

FROM: Winston A. Smith, Director
Air, Pesticides, and Toxics Management Division

TO: Joseph R. Franzmathes, Director
Waste Management Division

In response to Ralph Howard's memorandum dated June 26, 1992, we have reviewed the Remedial Design (RD) Work Plan for the Medley Farm Superfund Site located in Gaffney, South Carolina.

From 1973 to 1976, drummed wastes and other solid waste debris were disposed improperly on the Medley Farm Superfund Site. Emergency action initiated by the EPA in June 1983 resulted in the removal from the site of 5000 drums and 2000 cubic yards of affected soil. Recent sampling shows elevated volatile organic compound (VOC) and semi-volatile organic compound (SVOC) levels in surface soil, subsurface soil, and groundwater. The Record of Decision (ROD) for this site includes two remediation technologies. A soil vapor extraction technique (SVE) consisting of a vacuum system will be designed to remove VOCs and several SVOCs from the unsaturated soil. A jet-pump extraction system will remove VOC contaminated groundwater that will be treated with an air stripping unit.

Both of these remediation methods potentially involve the release of hazardous air emissions. RMT, Inc. believes that the effects on the surrounding air quality will be negligible; hence they predict that the acquisition of South Carolina Bureau of Air Quality Control (BAQC) air permits and air pollution control equipment will not be required. RMT must submit an air emissions waiver to the BAQC for review and consideration. To be approved, this waiver package must contain supporting technical documentation concerning VOC emissions, ambient air concentrations, and specific equipment details. Regardless of the BAQC's decision, air monitors (equivalent to an organic vapor analyzer) should be operated to detect the release of hazardous chemicals during remediation.

If you have any questions or if we may be of further assistance, please contact Lee Page of my staff at x2864.

cc: Ralph O. Howard Jr., RPM